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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/002,171	12/05/2001	Hiroshi Yoshida	0171-0802P-SP	2257
2292 7	590 12/21/2004		EXAM	INER
BIRCH STEV	VART KOLASCH &	WEINER, LAURA S		
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
			1745	

DATE MAILED: 12/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Comments	10/002,171	YOSHIDA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Laura S Weiner	1745				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 20 November 2004.						
2a)⊠ This action is <b>FINAL</b> . 2b)☐ This						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-4,6-8 and 10-17</u> is/are pending in the application.						
4a) Of the above claim(s) 14 and 15 is/are without	4a) Of the above claim(s) 14 and 15 is/are withdrawn from consideration.					
5)⊠ Claim(s) <u>1-4, 8,10-13,16 and 17</u> is/are allowed.						
6)⊠ Claim(s) <u>6 (2-4,10-13 and 16)</u> is/are rejected.						
7)⊠ Claim(s) <u>7</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>05 December 2001</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Dai	te				
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)     Paper No(s)/Mail Date	6) Other:	non Apphoanon (F10-132)				

Application/Control Number: 10/002,171

Art Unit: 1745

#### **DETAILED ACTION**

#### Election/Restrictions

Claims 14-15 are withdrawn from further consideration pursuant to 37 CFR
 1.142(b), as being drawn to a nonelected invention, an electrical double layer capacitor, there being no allowable generic or linking claim.

## Response to Arguments

2. Applicant's arguments with respect to claim 6 has been considered but are moot in view of the new ground(s) of rejection.

# Claim Rejections - 35 USC § 102

3. Claims 6 (2-4, 10-13, 16) are rejected under 35 U.S.C. 102(b) as being anticipated by Ventura et al. (6,015,638) or Ventura et al. (5,731,104).

Ventura et al. teaches in column 9, Table 1, plasticizers, P4, P5 and P6 that contain two carbonate structures. Ventura et al. teaches in columns 15-16, Example 1, a plasticizer/high dielectric constant solvent having the formula CH3CH2-O-(CO)-O-CH2CH3. Ventura et al. teaches in column 16-17, Example 3, that a typical electrolyte formulation contained 10-25% polymer (PVDF), 10-15% lithium salt and 67-75 plasticizer/high dielectric constant solvent solution. Ventura et al. teaches in column 2, lines 29-45, that single-ion conducting electrolytes such as poly(ethylene oxide)-polyelectrolyte blends consisting of PEO mixed with acrylate polymer have been

Application/Control Number: 10/002,171

Page 3

Art Unit: 1745

used. Ventura et al. teaches in column 11, lines 34-43, that polymers useful as solid polymer electrolytes include polyethers, polyesters, polyethylene oxides, poly(ethylene)imine, polyphosphazenes, polysiloxane, partially fluorinated polymethacrylates or such polymers modified to include functionalized chains, e.g., alkylsulfonates, or the like. Ventura et al. teaches in column 11, line 53 to column 13, line 4, SPEs which are specifically used include single-ion conducting polymers having the structure shown in Formula (I) and additional SPEs include single-ion conducting co-polymers which contain first monomer units shown in Formula (II) and second monomer units shown in Formula (III) [have interpenetrating structures]. The polymer backbone may also include copolymers of two or more polymers with repeating units of individual monomers. Ventura et al. teaches in column 6, lines 55-60, a battery comprising an anode having LixC6, an SPE and a cathode have LiCoO2.

### Allowable Subject Matter

- 4. Claims 1 (2-4, 10-13, 16); 8 (2-4, 10-13, 16), 17 are allowed.
- 5. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/002,171

Art Unit: 1745

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Laura S Weiner Primary Examiner Art Unit 1745

December 16, 2004